



AF/3722  
IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Katherine W. Hughes

Serial No: 10/008,060

Filed: 11/13/01

Title: Method and Apparatus for Forming an Inlet  
and Outlet Face of a Catalyst Support

Examiner: Brian D. Walsh

Group Art Unit: 3722

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING (37 CFR 1.8a)  
I hereby certify that this correspondence is being deposited with  
the United States Postal Service with sufficient postage as first  
class mail in an envelope Addressed to: Mail Stop Appeal Brief-  
Patents, Commissioner for Patents, P.O. Box 1450, Alexandria,  
VA 22313-1450, on 6/2/04.

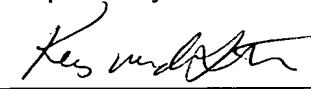
  
Kees van der Sterre

Transmitted herewith are a Request for Reinstatement of Appeal and  
three (3) copies of a Supplemental Appeal Brief (3 pages with 1 page  
Appendix) and in the above-identified application.

Authorization is given by Corning Incorporated to charge the  
appropriate fee and any additional fees necessary due in connection with this  
filing to Deposit Account No. 03-3325.

Respectfully submitted,

DATE: June 2, 2004

  
Kees van der Sterre  
Reg. No. 25,938  
Corning Incorporated  
SP-TI-03-1  
Corning, NY 14831  
Phone: (607) 974-3294

Appl. No.: 10/008,060  
Request Dated: June 2, 2004  
Reply to Office Action of: May 24, 2004



PATENT  
SP00-369

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Appellant:** Katherine W. Hughes

**Serial No.:** 10/008,060

**Filing Date:** November 13, 2001

**Title:** Method and Apparatus for Forming an  
Inlet and Outlet Face of a Catalyst  
Support

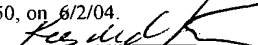
**Request for Reinstatement  
of Appeal**

Group Art Unit: 3722

Examiner: Brian D. Walsh

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING (37 CFR 1.8a)  
I hereby certify that this correspondence is being  
deposited with the United States Postal Service with  
sufficient postage as first class mail in an envelope  
Addressed to: Mail Stop Appeal Brief-Patents,  
Commissioner for Patents, P.O. Box 1450, Alexandria,  
VA 22313-1450, on 6/2/04.

  
Kees van der Sterre

**REQUEST FOR REINSTATEMENT OF APPEAL**

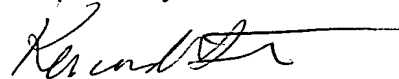
Sir:

In response to the Final Action mailed herein on May 24, 2004, the Applicant respectfully requests reinstatement of the Appeal filed herein on March 4, 2004.

A Supplemental Appeal Brief responsive to the Final Action is being submitted in triplicate herewith.

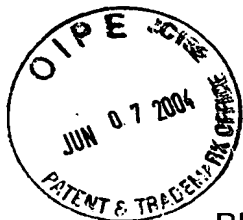
Applicants believe that no extension of time is necessary to make this Request timely, but contingently request that the Office grant such time extension pursuant to 37 C.F.R. § 1.136(a) as is necessary to make this Request timely, if in fact such an extension is required. Only in that event, the Office is hereby authorized to charge any necessary extension fee or surcharge to the deposit account of Corning Incorporated, Deposit Account 03-3325.

Respectfully submitted,



DATE: June 2, 2004

Kees van der Sterre  
Reg. No. 25,938  
Corning Incorporated  
SP-TI-03-1  
Corning, NY 14831  
Phone: (607) 974-3294



**PATENT**  
**SP00-369**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

**Appellant:** Katherine W. Hughes

**Supplemental Appeal Brief**

**Serial No.:** 10/008,060

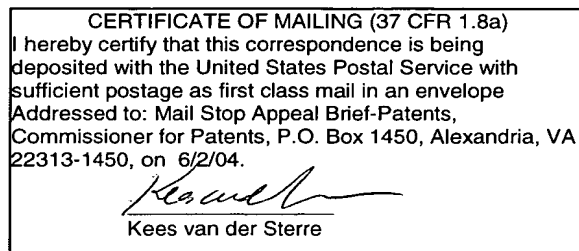
**Group Art Unit:** 3722

**Filing Date:** November 13, 2001

**Examiner:** Brian D. Walsh

**Title:** Method and Apparatus for Forming  
an Inlet and Outlet Face of a Catalyst  
Support

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Sir:

This Supplemental Appeal Brief is being filed in triplicate in support of the Notice of Appeal filed herein on March 1, 2004. It contains the following items under the corresponding headings as required by 37 CFR §1.192:

**Status of Claims [Supplemental]**

**Status of Amendments [Supplemental]**

**Issues [Supplemental]**

**Grouping of Claims [Supplemental]**

**Argument [Supplemental]**

**Appendix (appealed claims) [Supplemental]**

**Status of Claims [Supplemental]**

Claim 18, which was objected to in the Advisory Action mailed herein on February 24, 2004, has now been allowed. Claims 13-17 and 19 continue to be finally rejected under 35 U.S.C. 103(a).

**Status of Amendments [Supplemental]**

All amendments have now been entered.

**Issues [Supplemental]**

The initially appealed Issues concerning (i) whether U.S. Patent No. 6,368,726 to Holpp et al. was properly cited, and (ii) whether the Examiner erred in failing to entered a formal amendment to claim 18 and allow that claim, have now been resolved. Accordingly, only the following issues remain:

1. Whether the Examiner erred in finally rejecting claims 13-14, 16 and 19 of the application under 35 U.S.C. §103(a) as unpatentable over U.S. Patent No. 4,782,570 (Spridco) in view of U.S. Patent No. 2,972,669 (Brown) and U.S. Patent No. 6,368,726 to Holpp et al.
2. Whether the Examiner erred in finally rejecting claim 15 of this application under 35 U.S.C. §103(a) as unpatentable over U.S. Patent No. 4,782,570 (Spridco) in view of U.S. Patent No. 2,972,669 (Brown) and U.S. Patent No. 4,208,931 to Collins.
3. Whether the Examiner erred in finally rejecting claim 17 of this application under 35 U.S.C. §103(a) as unpatentable over U.S. Patent No. 4,782,570 (Spridco) in view of U.S. Patent No. 2,972,669 (Brown) and U.S. Patent No. 6,368,726 to Holpp et al.

**Grouping of Claims [Supplemental]**

All of rejected claims 12-17 and 19 of the application are directed to a process for shaping the end-face of a honeycomb structure into a conical or frusto-conical form, without limitation as to the location of the cone axis with respect to the honeycomb longitudinal axis.

**Argument [Supplemental]**

The Applicant continues to rely entirely upon the principal Appeal Brief to establish error in the Final Rejection of claims 12-17 and 19 of this application.

The only modification of those arguments required in light of the Examiner's Office communication of May 24, 2004 is the Applicant's withdrawal of the arguments relating to the Examiner's failure to properly cite the Holpp et al. reference, and his failure to enter the amendments to claim 18 that placed that claim in condition for allowance.

Concerning the substance of the Holpp et al. reference and its relevance to the Final Rejection, the Applicant's position remains unchanged. Holpp et al. merely discloses honeycomb structures with frusto-conical end faces as the Applicant had supposed. However this disclosure is irrelevant for the reason that the Applicant has freely acknowledged such structures as part of the prior art.

The central question involved in this appeal remains unchanged, i.e., whether the Applicant's method for forming such end faces is taught or suggested in the prior art. Holpp et al. adds nothing concerning how such end faces might effectively be formed, and so fails to supplement the principle references relied on in any meaningful way.

Accordingly, the Appellant again respectfully submits that claims 13-17 and 19 of this application are patentable over the art of record herein, that those claims were not properly rejected under 35 U.S.C. §103(a), and therefore that the Examiner's rejections of those claims were in error and should be reversed.

Respectfully submitted,



Kees van der Sterre  
Attorney for Appellants  
Reg. No. 25,938  
Corning Incorporated  
SP-TI-03  
Corning, NY 14831  
(607) 974-3294

Date: June 2, 2004



**Appendix - Appealed Claims [Supplemental]:**

13. The method of claim 19 wherein the first guide and the second guide are located adjacent the catalyst substrate.

14. The method of claim 19, further comprising rotating the first guide relative to the second guide.

15. The method of claim 19 wherein the cutting filament is disposed about an open path that includes a path section extending between the first guide and the second guide.

16. The method of claim 19 wherein the cutting filament is disposed about a closed path that includes a path section extending between the first guide and the second guide.

17. The method of claim 19 wherein the longitudinal separation and radial spacing of the guides are controlled to form a shaped face on the catalyst substrate which is concentric with the longitudinal axis thereof.

19. A method for shaping an end face of a catalyst substrate having a longitudinal axis into a conical or frusto-conical shape which comprises:

rotating first and second guides about the longitudinal axis of the catalyst substrate while a cutting filament extends between the guides; and  
controlling the longitudinal separation and radial spacing of the guides so that the cutting filament is inclined relative to the longitudinal axis of the catalyst substrate and intersects the said axis.